



PATENT APPLICATION

Sheet 1 of 7

FORM PTO-1449

ATTY. DOCKET NO.

200311960-1

APPLICATION NO.

10/698,263

CONFIRMATION NO.

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

APPLICANT

KARLSSON et al.

FILING DATE

10/30/2003

GROUP

(Use several sheets if necessary)

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A				
	1B				
	1C				
	1D				
	1E				
	1F				
	1G				
	1H				
	1I				
	1J				
	1K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

<i>MS</i>	1Q	Sugih JAMIN, Cheng JIN, Anthony R. KURC, Danny RAZ and Yuval SHAVITT, Constrained Mirror Placement on the Internet, INFOCOM, 2001.
<i>MS</i>	1R	Magnus KARLSSON and Christos KARAMANOLIS, Bounds on the Replication Cost for QoS, Technical Report HPL-2003-156, Hewlett-Packard Company, Palo Alto, CA, July 24, 2003. < http://www.hpl.hp.com/techreports/2003/HPL-2003-156.pdf >
<i>MS</i>	1S	Lili QIU, Venkata N. PADMANANABHAN and Geoffrey M. VOELKER, On the Placement of Web Server Replicas, INFOCOM, 2001.

EXAMINER

James R. Holden

DATE CONSIDERED

12/9/05



PATENT APPLICATION

Sheet 2 of 7

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

200311960-1

APPLICATION NO.

10/698,263

CONFIRMATION NO.

APPLICANT

KARLSSON et al.

FILING DATE

10/30/2003

GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	2A				
	2B				
	2C				
	2D				
	2E				
	2F				
	2G				
	2H				
	2I				
	2J				
	2K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	2L					
	2M					
	2N					
	2O					
	2P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

<i>mg</i>	2Q	Raj TEWARI and Nabil R. ADAM, Distributed File Allocation with Consistency Constraints, 1992.
<i>mg</i>	2R	Arun VENKATARAMANI, Phoebe WEIDMANN, and Mike DAHLIN, Bandwidth Constrained Placement in a WAN, 2001.
<i>mg</i>	2S	Alec WOLMAN, Geoffrey M. VOELKER, Nitin SHARM, Neal CARDWELL, Anna KARLIN, and Henry M. LEVY, On the Scale and Performance of Cooperative Web Proxy Caching, Proceedings of the 17th ACM Symposium on Operating Systems Principles, Kiawah Island, SC, pages 16-31, ACM Press, New York, NY, 1999.

EXAMINER

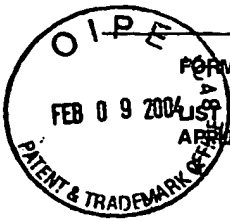
Laurie R. Golden

DATE CONSIDERED

12/9/05

PATENT APPLICATION

Sheet 3 of 7



FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

200311960-1

APPLICATION NO.

10/698,263

CONFIRMATION NO.

APPLICANT

KARLSSON et al.

FILING DATE

10/30/2003

GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	3A				
	3B				
	3C				
	3D				
	3E				
	3F				
	3G				
	3H				
	3I				
	3J				
	3K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	3L					
	3M					
	3N					
	3O					
	3P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

<i>NR</i>	3Q	Kamal JAIN, Mohammad MAHDIAN, Evangelos MARKAKIS, Amin SABERI, and Vijay V. VAZIRANI, Greedy Facility Location Algorithms Analyzed Using Dual Fitting With Factor-Revealing LP, ArXiv, Cornell University, Ithica, NY, July 9, 2002. < http://arxiv.org/PS_cache/cs/pdf/0207/0207028.pdf >
<i>NR</i>	3R	P. KRISHNAN, Danny RAZ, and Yuval SHAVITT, The Cache Location Problem, IEEE/ACM Transactions on Networking, Volume 8, Number 5, Pages 568-582, ACM Press, New York, NY, October 2000.
<i>NR</i>	3S	Magnus KARLSSON, Christos KARAMANOLIS, and Mallik MAHALINGAM, A Framework for Evaluating Replica Placement Algorithms, Technical Report, HPL-2002-219, Hewlett-Packard Company, Palo Alto, CA, August 16, 2002. < http://www.hpl.hp.com/techreports/2002/HPL-2002-219.pdf >

EXAMINER

James N. Golden

DATE CONSIDERED

12/1/05

PATENT APPLICATION

Sheet 4 of 7

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

200311960-1

APPLICATION NO.

10/698,263

CONFIRMATION NO.

APPLICANT

KARLSSON et al.

FILING DATE

10/30/2003

GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	4A				
	4B				
	4C				
	4D				
	4E				
	4F				
	4G				
	4H				
	4I				
	4J				
	4K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	4L					
	4M					
	4N					
	4O					
	4P					

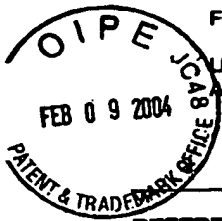
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

<i>NR</i>	4Q	Magnus KARLSSON, and Mallik MAHALINGAM, Do We Need Replica Placement Algorithms in Content Delivery Networks?, Technical Report HPL-2002-220, Hewlett-Packard Company, Palo Alto, CA, August 16, 2002. < http://www.hpl.hp.com/techreports/2002/HPL-2002-220.pdf >
<i>NR</i>	4R	Sridhar RAJAGOPALAN, and Vijay V. VAZIRANI, Primal-dual RNC Approximation of Covering Integer Programs, 1999.
<i>NR</i>	4S	Haifeng YU, and Amin VAHDAT, Minimal Replication Cost for Availability, July 2002.

EXAMINER

James N. Golden

DATE CONSIDERED

12/2/05

PATENT APPLICATION

Sheet 5 of 7

FORM PTO-1449

ATTY. DOCKET NO.

200311960-1

APPLICATION NO.

10/698,263

CONFIRMATION NO.

APPLICANT

KARLSSON et al.

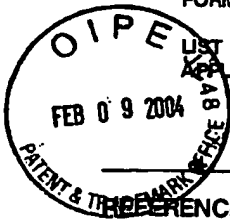
FILING DATE

10/30/2003

GROUP

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)



REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	5A				
	5B				
	5C				
	5D				
	5E				
	5F				
	5G				
	5H				
	5I				
	5J				
	5K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	5L					
	5M					
	5N					
	5O					
	5P					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

HRZ	5Q	Samy MAHMOUD and J. S. RIORDON, Optimal Allocation of Resources in Distributed Information Networks, ACM Transactions on Database Systems, Volume 1, Number 1, pages 66-78, ACM Press, New York, NY, March 1976.
MRZ	5R	Mark S. DASKIN and Susan H. OWEN, Partial Covering P-Center and Partial Covering Set Covering Models, Presentation, International Symposium on Location Decisions (ISOLDE VIII), Portugal, June, 23-29, 1999.
MRZ	5S	Susan Hesse OWEN and Mark S. DASKIN, Strategic Facility Location: A Review, Volume 111, Issue 3, pages 423-447, European Journal of Operational Research, Elsevier Science B.V., Amsterdam, Netherlands, 1998.

EXAMINER

James R. Golden

DATE CONSIDERED

12/9/05

PATENT APPLICATION

Sheet 6 of 7

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

200311960-1

APPLICATION NO.

10/698,263

CONFIRMATION NO.

APPLICANT

KARLSSON et al.

FILING DATE

10/30/2003

GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	6A			
	6B			
	6C			
	6D			
	6E			
	6F			
	6G			
	6H			
	6I			
	6J			
	6K			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	6L				
	6M				
	6N				
	6O				
	6P				

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

<i>mg</i>	6Q	Lawrence W. DOWDY, Derrell V. FOSTER, Comparative Models of the File Assignment Problem, ACM Computing Surveys (CSUR), Volume 14, Number 2, Pages 287 - 313, ACM Press, New York, NY, June 1982.
<i>mg</i>	6R	Pierre CHARDAIRE, Facility Location Optimization and Cooperative Games, Ph.D. Thesis, pages 46-62, Chapter 3 and Pages 175-184, Bibliography, School of Information Systems, University of East-Anglia, Norwich UK, 1998.
<i>mg</i>	6S	Magnus KARLSSON, Christos KARAMANOLIS, 10/698,182, October 30, 2003. (Attorney Docket Number 200311961-1)

EXAMINER

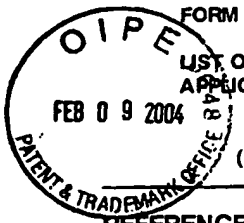
James R. Golden

DATE CONSIDERED

12/9/05

PATENT APPLICATION

Sheet 7 of 7



FORM PTO-1449

 LIST OF PATENTS AND PUBLICATIONS FOR
 APPLICANT'S INFORMATION DISCLOSURE
 STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

200311960-1

APPLICATION NO.

10/698,263

CONFIRMATION NO.

APPLICANT

KARLSSON et al.

FILING DATE

10/30/2003

GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	7A				
	7B				
	7C				
	7D				
	7E				
	7F				
	7G				
	7H				
	7I				
	7J				
	7K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	7L					
	7M					
	7N					
	7O					
	7P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

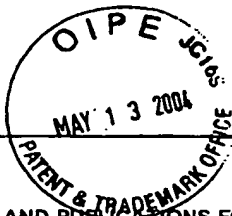
<i>ms</i>	7Q	Christos KARAMANOLIS, and Magnus KARLSSON, 10/698,264, October 30, 2003. (Attorney Docket Number 200311962-1)
<i>ms</i>	7R	Magnus KARLSSON and Christos KARAMANOLIS, 10/698,265, October 30, 2003. (Attorney Docket Number 200312448-1)
	7S	

EXAMINER

James R. Golder

DATE CONSIDERED

12/9/05



PATENT APPLICATION

Sheet 1 of 1

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

200311960-1

APPLICATION NO.

10/698,263

CONFIRMATION

APPLICANT

Karlsson, et al.

FILING DATE

Oct. 30, 2003

GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A				
	1B				
	1C				
	1D				
	1E				
	1F				
	1G				
	1H				
	1I				
	1J				
	1K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	Vazirani, V.V., Approximation Algorithms, Springer-Verlag, New York, NY, Corrected Second Printing, Published on September 18, 2002, per telephone discussion with publisher.
1R	
1S	

EXAMINER

James R. Golder

DATE CONSIDERED

12/1/05